

Wheat Crop Posts

Wheat Crop Pests

Common Rootrot Of Wheat Facilitated In Reducing Yields

Wheat crops in Western Canada are liable to serious injuries from a variety of causes which may be grouped roughly as climatic factors and pests, climatic factors including drought, hail, wind and frosts. Pest attacks include insects, nematodes, and

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... weeds, insects, fungi and bacteria. Many causes of loss are of local importance in most years but reach epidemic proportions at times. For example, rust, drought and grasshoppers. In any pest, however, are present many times and do more or less injury each season. The latter class of pests include the fungi which cause

Common rootrot of wheat is one more obscure trouble, as it is present on the underground parts of the plant. It is none the less real and is an important factor tending to reduce yields. Some affected plants may be killed before or soon after emergence from the soil, or before

ing and maturity. Other plants may be stunted in the seedling stage and retarded in development, with some reduction in tillering and lowered yield of grain. In a bare, weeded field weeds may become established, due to the thin stand of planted plants, and prevent the normal recovery by action on the soil.

Evidence has been gained from investigations conducted at the Dominion Laboratory of Plant Pathology in Saskatoon that a limited supply intensifies the injury caused by a common rootrot in wheat, and that high soil moistures favour the disease.

own early effects of the disease. B. J. Sallans, of the Labor-
ry. The practice of conserving
disture, by weed control and
erfallowing to store up the pre-
tion of two years for one crop
therefore have an important effect
reducing common rootrot losses

It has also been shown that early and shallow seeding are usually good practices in reducing common root rot injury. Early seeding allows the seedling to become well established while the soil temperatures are still low for the rootrot fungi to be active in their maximum activity. Repeatedly shallow seeding, if the seed

into moist soil, favours rapid germination and emergence. Deep sowing may result in slow emergence at a thin stand. Two inches is about an optimum depth, being usually sufficiently deep to reach any moisture for germination, yet shallow enough for seeds to germinate readily for seedlings to emerge to the surface.

very long internode between the crown roots and the seed where the seminal roots emerge. This long internode is more liable to rootrot infection than a short internode.

data, together with specimens of diseased plants may be sent to the Forest Dominion Laboratory Plant Pathology. In the Prairie Province these laboratories are located at Winnipeg, Saskatoon and Edmonton.

Demonstration Given Of Kindergarten Instruction Methods
Three short talks on music teaching, together with a demonstration of kindergarten instruction methods are presented to 160 delegates from parts of Canada attending the

Russell Standing of Winnipeg discussed essential points of the teaching program. He laid emphasis upon the need for sound fundamentals, teaching in the elementary grades

The Peter Rabbit Kindergarten
wins presented a group of

Under Exemption Clause
Imports from the United States under the \$100 tourist exemption

Submarine Is Rammed
The United States submarine S-36 was rammed by the small French coastal steamship Troilets as it entered the Gatun locks on the Panama Canal. Neither ship suffered serious damage, and both proceeded to Panama.

COMPARE SAFETY CHAMPION TIRES

of Value, Safety, Price!

TRUCKS	MOTORCARS	RECREATION

PROTECT your life and the lives of your family by using the tires that have been tested and approved by the Federal Government and the American Automobile Association.

SAFETY-LOAD CORP. BODY has been tested and approved by the Federal Government and the American Automobile Association.

NEW GUM-GRIPPING Power has been tested and approved by the Federal Government and the American Automobile Association.

EXTRA CORN PLIES under the tread have been tested and approved by the Federal Government and the American Automobile Association.

GEAR-GRIP Tread has been tested and approved by the Federal Government and the American Automobile Association.

PROVED ON THE SPEEDWAY—20 consecutive runs, 100 miles per hour, without a single puncture.

These smart, new streamlined Champion Tires will give you an extra safety appearance. Have the nearest Firestone Dealer put one on and find out.

THE ONLY TIRES MADE THAT ARE SAFETY-PROVEN ON THE SPEEDWAY FOR YOUR PROTECTION ON THE HIGHWAY

Loyal British Possession

Island of Barbados Always Stands Solidly Behind The Empire

The interesting account appearing in the British Weekly, London, of the observance in the island of Barbados of three hundred years of uninterrupted Parliamentary rule in an unbroken alliance in the Empire and in its significance, with an area of only 106 square miles and a population of approximately 100,000, is a "light little island" has been one of the most loyal members of the British Crown within the Empire. It possesses the third oldest representative chamber in the world, and has been a British possession ever since its first settlement in 1627, and its first elected parliament, was in 1639.

Barbados is one of the most strenuous, active and fiercely independent of all the West Indian Islands. This is partly due to the fact that Barbados has a very invigorating and healthy climate, being in the direct path of the North-east trade wind and entirely free from malaria. Barbados has enjoyed for over a period of nearly three hundred years that the island has been a reliable ally in the Empire. They are in particular proud of their other institutions, and they boast the fact that Barbados is the only island in the whole of the West Indies, where the University of the West Indies, founded in 1831, is still in existence. Under military, intact upon his primeval soil, and in a central position, and a reliable and hearty ally.

The little island boasts of a variety of loyalty which has been manifested in the past on many occasions during the day of the nation and which has been the subject of historic cable sent to the British Government. The island has been a certain way not so many years ago, that it, England, Barbados is behind you. Represented at the Congress has been the Barbadian people, who are so much in the front line of the nation and who realize more to-day that their loyalty to the Empire is a source of pride and a source of strength.

Incidentally linked with partnership in the British Empire.

Opportunity To-Day For Possession Of Red Table

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Britain's Frontier

Is the Border Between Freedom And Not Freedom

Mr Gerald Thompson, British high commissioner of Canada, has told the Canadian Club at Saint John, N.B., that Great Britain's frontier is neither on the Rhine nor any other geographical line, but is the line between freedom and not freedom.

"It is the line between the right and the wrong," he said, "and that democracy is not equal to both but that every man and woman has a worth which is a beautiful thought. The line between freedom and not freedom is a very difficult line to walk on. We have to make many people telling us that the connecting action is the regeneration of the world can only be achieved by the free government, very well to pay and it is very well to love your neighbor, but even if you are not a 'socialist' and 'gray'."

It reminds one something of what Chamberlain said during the great free trade campaign when somebody asked him what would happen if all the other nations didn't go in for free trade. "Sir," he said, "free trade would not be as successful as it is now, but the other nations don't go in for free trade."

It is only fair to note, however, that Thompson's speech was a Lancet character that free trade had not been successful in the past.

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THERE'S CHEER IN EVERY MOUTHFUL OF SHREDDED WHEAT AND BERRIES

Divided food pays patients all the cheer of 100% wheat, which is the only food that is as healthy as it is delicious. It is the only food that is as healthy as it is delicious. It is the only food that is as healthy as it is delicious.

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Weapon Kept Secret

United States Have Held This First

A fast-loading rifle which can fire 200 shots a minute with great accuracy and new design has been developed by the United States.

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Wood Shortage

Germany Is Now Seeking Further

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Jewelry Is Old Well

Part of Indian Treasure Found in New Mexico

A diamond well in the basement of a building in the town of Santa Fe, N.M., yielded a hoard of Indian jewelry worth at least \$50,000.

A young worker, Robert Vigil, was the first to find the jewelry.

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Attended English School

Mr. Franklin Roosevelt Graded For

His Three-Year Training

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Souvenirs For Princesses

Daughters Of King George Receiving

Memorabilia Of New York Fair

Princess Elizabeth and Margaret, daughters of King George, are receiving the memorabilia of the New York Fair.

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IF YOU FEEL SUNK

Read this and cheer up

It is a fact that you are not alone in feeling down.

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